

DEPTH (FEET)	OTHER TESTS	SHEAR STRENGTH PSF	ATTERBERG LIMITS			FIELD MOISTURE CONTENT %	DRY DENSITY PCF	WATER LOSS (LUGEONS)	PERCENT RECOVERED	ROD
			LIQUID LIMIT %	PLASTIC LIMIT %	PLASTICITY INDEX %					
0										
5										
10										
15										
20										
25										
30										
35										
40										
45										
50										
55										
60										
65										
70										
75										

**BORING L-2**  
SURFACE ELEVATION 587.7

ELEVATION  
(FEET)

**SYMBOLS**

**DESCRIPTIONS**

STRIP MINE DEBRIS

—585

—580

—575

—570

—565

—560

—555

—550

—545

—540

—535

—530

—525

—520

—515

TOP OF BEDROCK (SPOON FORMATION)  
GRAY TO DARK GRAY SILTSTONE, FINE SANDY, MICACEOUS,  
CARBONACEOUS IN ZONES; THINLY LAMINATED; FRAGMENTED

BORING CONTINUED

**BRAIDWOOD STATION  
UPDATED FINAL SAFETY ANALYSIS REPORT**

FIGURE 2.5-153

LOG OF BORING L-2  
(SHEET 1 OF 5)

DEPTH (FEET)	OTHER TESTS	SHEAR STRENGTH PSF	ATTERBERG LIMITS			FIELD MOISTURE CONTENT %	DRY DENSITY PCF	WATER LOSS (LUBBERS) %	PERCENT RECOVERED	ROD
			LIQUID LIMIT %	PLASTIC LIMIT %	PLASTICITY INDEX %					
75										
80									25	0
85									97	62
90										
95									95	87
100										
105									99	99
110										
115									94	72
120										
125									95	65
130										
135									94	93
140										
145									93	85
150										

## BORING L-2 CONTINUED

ELEVATION  
(FEET)

### SYMBOLS

### DESCRIPTIONS

LIGHT GRAY SILTY SANDSTONE IN BASAL 5 INCHES  
GREENISH-GRAY SHALE, SILTY, DOLOMITIC; THINLY  
LAMINATED; PARTS EASILY ALONG IRREGULAR BEDDING PLANES  
(BRAINARD FORMATION)

VERTICAL FRACTURE 93.0 TO 96.2 FEET

GRADES TO DARK GREENISH-GRAY AT 118.5 FEET

NEAR VERTICAL FRACTURES FROM 120.1 TO 121.4 FEET

BORING CONTINUED

## BRAIDWOOD STATION UPDATED FINAL SAFETY ANALYSIS REPORT

FIGURE 2.5-153

LOG OF BORING L-2  
(SHEET 2 OF 5)

DEPTH (FEET)	OTHER TESTS	SHEAR STRENGTH PSF	ATTERBERG LIMITS			FIELD MOISTURE CONTENT %	DRY DENSITY PCF	WATER LOSS (LUGONES)	PERCENT RECOVERED	ROD
			LIQUID LIMIT %	PLASTIC LIMIT %	PLASTICITY INDEX %					
150										
155									99	91
160										
165									99	64
170										
175									99	65
180										
185									100	43
190										
195									100	52
200										
205									95	73
210										
215										
220									98	68
225										

## BORING L-2 CONTINUED

ELEVATION  
(FEET)

### SYMBOLS

### DESCRIPTIONS

GRADES TO MORE SILT BELOW 153.0 FEET

—435

—430

GRADES CALCAREOUS AT 160.0 FEET

LIGHT GRAY VERY SILTY LIMESTONE, FOSSILIFEROUS;  
LAMINATED TO THINLY BEDDED, NUMEROUS IRREGULAR  
PARTINGS AND GRADATIONAL ZONES OF CALCAREOUS SHALE  
(FORT ATKINSON FORMATION)

—425

1/4 TO 2 INCH CAVITIES AND IRREGULAR CHANNELS  
SPACED 2 TO 6 INCHES FROM 166.0 TO 169.2 FEET  
DRISY CRYSTAL DEPOSITS THROUGHOUT; LESS THAN  
2% VOIDS

—420

POROUS ZONE 173.2 TO 174.0 FEET WITH CLOSELY  
SPACED PINPOINT OPENINGS, LESS THAN 1% VOIDS

—415

GRADES LESS SILTY AND COARSELY CALCARENITIC  
BELOW 174.0 FEET, NUMEROUS THIN IRREGULAR  
SHALE PARTINGS IN 1 TO 2 INCH ZONES

—410

1 INCH OPEN VUG AT 180.5 FEET  
LIGHT GRAY TO BUFF LIMESTONE, VERY PURE, COARSELY  
CALCARENITIC; MEDIUM BEDDED, HAIRLINE SHALE PARTINGS  
AND STYOLITES SPACED 1 TO 6 INCHES  
1/4 INCH SOLUTION CHANNEL AT 182.0 FEET

—405

POROUS ZONE 183.2 TO 183.6 FEET WITH 5%  
OPEN VOIDS 1/4 INCH AND SMALLER

—400

VERTICAL FRACTURE 190.9 TO 191.7 FEET

—395

BROWNISH-GRAY SILTSTONE, CALCAREOUS, THINLY LAMINATED;  
NUMEROUS WHITE FOSSILIFEROUS BANDS IN ZONES, SOME  
PYRITE THROUGHOUT; OCCASIONAL PINPOINT TO 1/4 INCH  
VOIDS ASSOCIATED WITH SOLUTION OF FOSSIL FRAGMENTS  
SPACED 1 TO 11 INCHES.  
(SCALES FORMATION)

—390

2 INCH CALCITE FILLED VUG AT 202.5 FEET

—385

1 INCH OPEN SOLUTION CHANNEL AT 204.0 FEET,  
MINERALIZED

GRAY SHALE, SILTY, DOLOMITIC; THINLY LAMINATED,  
INTERBEDDED 1 TO 6 INCH LAYERS OF SILTY LIMESTONE  
SPACED 3 TO 30 INCHES.

—380

GRADES LESS SILTY BELOW 213.0 FEET, PARTS  
EASILY ALONG BEDDING PLANES

—375

—370

GRADES TO INTERBEDDED LAYERS OF GRAY SILTY  
LIMESTONE 6 TO 24 INCHES THICK SPACED 16  
TO 23 INCHES, FOSSILIFEROUS; LAMINATED TO  
THINLY BEDDED

—365

BORING CONTINUED

## BRAIDWOOD STATION UPDATED FINAL SAFETY ANALYSIS REPORT

FIGURE 2.5-153

LOG OF BORING L-2  
(SHEET 3 OF 5)

DEPTH (FEET)	OTHER TESTS	SHEAR STRENGTH PSF	ATTERBERG LIMITS			FIELD MOISTURE CONTENT %	DRY DENSITY PCF	WATER LOSS (LUGEONS)	PERCENT RECOVERED	ROD
			LIQUID LIMIT %	PLASTIC LIMIT %	PLASTICITY INDEX %					
225									92	41
230										
235									100	89
240										
245									96	96
250										
255										
260									100	100
265										
270										
275										
280									100	100
285										
290										
295										
300										

## BORING L-2 CONTINUED

ELEVATION  
(FEET)

### SYMBOLS

### DESCRIPTIONS

SILTY LIMESTONE LAYERS GRADE OUT BELOW 231.1 FEET

—360

DARK GRAY SHALE, DOLOMITIC; LAMINATED, OCCASIONAL  
1 TO 4 INCH LAYER OF CALCAREOUS SILTSTONE  
SPACED 1 TO 5 INCHES, PARTS EASILY ALONG  
IRREGULAR BEDDING PLANES

—355

—350

—345

—340

—335

CALCAREOUS SILTSTONE LAYERS GRADE OUT, SILTY  
IN ZONES BELOW 258.0 FEET

—330

—325

—320

—315

—310

—305

MOTTLED LIGHT GRAY AND BUFF DOLOMITIC LIMESTONE,  
FINE TO MEDIUM CRYSTALLINE; THIN BEDDED, NUMEROUS  
IRREGULAR HAIRLINE SHALE PARTINGS SPACED 1/2 TO 2  
INCHES (WISE LAKE-DUNLEITH FORMATIONS)

—300

5% OPEN VUGS AND SOLUTION CHANNELS FROM  
287.0 TO 295.0 FEET, OPENINGS FROM PINPOINT  
SIZE TO 1 1/2 INCH; RESIDUAL OIL STAINS

—295

BORING CONTINUED

—290

## BRAIDWOOD STATION UPDATED FINAL SAFETY ANALYSIS REPORT

FIGURE 2.5-153

LOG OF BORING L-2  
(SHEET 4 OF 5)

DEPTH (FEET)	OTHER TESTS	SHEAR STRENGTH PSF	ATTERBERG LIMITS			FIELD MOISTURE CONTENT %	DRY DENSITY PCF	WATER LOSS (LUGEDS)	PERCENT RECOVERED	ROD
			LIQUID LIMIT %	PLASTIC LIMIT %	PLASTICITY INDEX %					
300										
305									100	100
310										
315										

## BORING L-2 CONTINUED

ELEVATION  
(FEET)

—285

—280

—275

### SYMBOLS



### DESCRIPTIONS

BORING COMPLETED AT 312.0 FEET  
ON 10-27-72

## BRAIDWOOD STATION UPDATED FINAL SAFETY ANALYSIS REPORT

FIGURE 2.5-153

LOG OF BORING L-2  
(SHEET 5 OF 5)